US009413052B2

(12) **United States Patent**
Sherrer et al.

(10) **Patent No.: US 9,413,052 B2**
(45) **Date of Patent: *Aug. 9, 2016**

(54) **THREE-DIMENSIONAL MICROSTRUCTURES**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **14/845,385**

(22) Filed: **Sep. 4, 2015**

(65) **Prior Publication Data**

US 2015/0380795 A1 Dec. 31, 2015

Related U.S. Application Data

(63) Continuation of application No. 14/253,061, filed on Apr. 15, 2014, now Pat. No. 9,136,575, which is a continuation of application No. 13/176,740, filed on Jul. 5, 2011, now Pat. No. 8,698,577.

(60) Provisional application No. 61/361,132, filed on Jul. 2, 2010.

(51) **Int. Cl.**

H01P 5/12	(2006.01)
H01P 3/06	(2006.01)
H01P 5/18	(2006.01)

(52) **U.S. Cl.**

CPC .. ***H01P 3/06*** (2013.01); ***H01P 5/12*** (2013.01); ***H01P 5/183*** (2013.01)

(58) **Field of Classification Search**

CPC H01P 3/06

See application file for complete search history.

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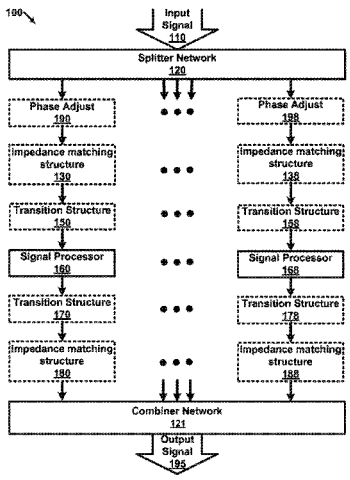
(57) **ABSTRACT**

An apparatus comprising a first power combiner/divider network and a second power combiner/divider network. The first power combiner/divider network splits a first electromagnetic signal into split signals that are connectable to signal processor(s). The second power combiner/divider network combines processed signals into a second electromagnetic signal. The apparatus includes a three-dimensional coaxial microstructure.

14 Claims, 31 Drawing Sheets